

POLYMER BLENDS COMPRISING LOW MOLECULAR WEIGHT
NITRILE RUBBER

ABSTRACT OF THE DISCLOSURE

The present invention relates to a polymer blend containing at least one nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) below 10 and at least one nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) above 30 wherein said polymer blend has a multi-modal molecular weight distribution, a process for preparing said polymer blend wherein at least one nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) below 10 and at least one nitrile rubber polymer having a Mooney viscosity (ML 1+4 @ 100°C) above 30 are mixed in a solvent and the blend is isolated from the solvent. The present invention also relates to a process for the manufacture of a shaped article including the step of injection molding the polymer blend.